

ABSTRACT OF THE INVENTION

[0068] Disclosed are the devices and methods for cleaning the ports of a print head of a printer cartridge for refilling purposes. This is accomplished using two different kinds of tips which are alternatively disposed on the end of a syringe. A large tip is used to clean all of the ports simultaneously by applying suction to all. A smaller tip, however, is used to clean specific ports. The smaller tip is able to provide much greater suction than a larger tip because it has a minimized flow aperture. The larger tip, conversely, creates a very wide flow area which does not provide as great a suction, but provides other benefits.